



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2009  
Code: 31521170  
SAU: RSU 01  
School: Bath Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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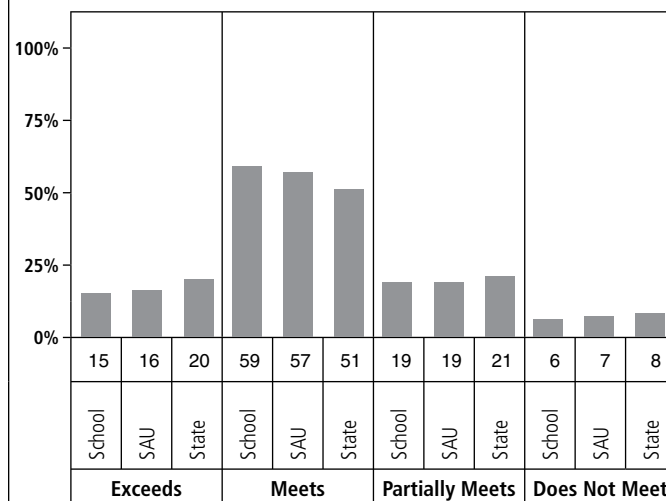
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 8  
SAU: RSU 01  
School: Bath Middle School

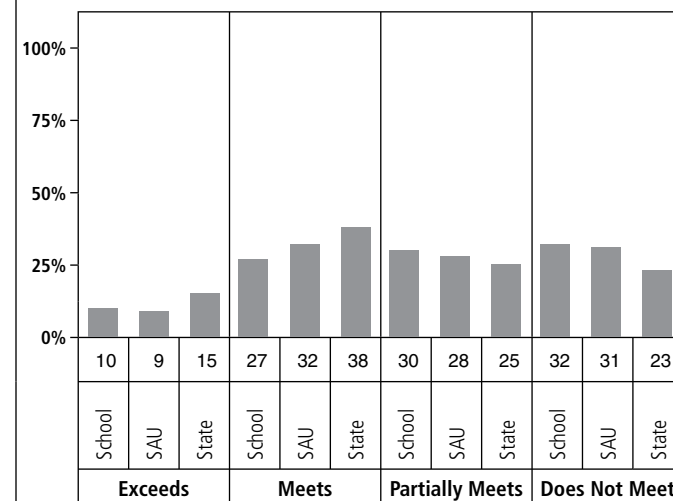
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b> 2006–2007 2007–2008 <b>2008–2009</b> Cum. Avg.*	846 848 <b>850</b> 848	<b>850</b>	847 849 <b>850</b> 849
<b>Mathematics</b> 2006–2007 2007–2008 <b>2008–2009</b> Cum. Avg.*	839 843 <b>837</b> 840	<b>838</b>	842 841 <b>843</b> 842
<b>Science</b> 2008–2009**	<b>844</b>	<b>846</b>	<b>846</b>

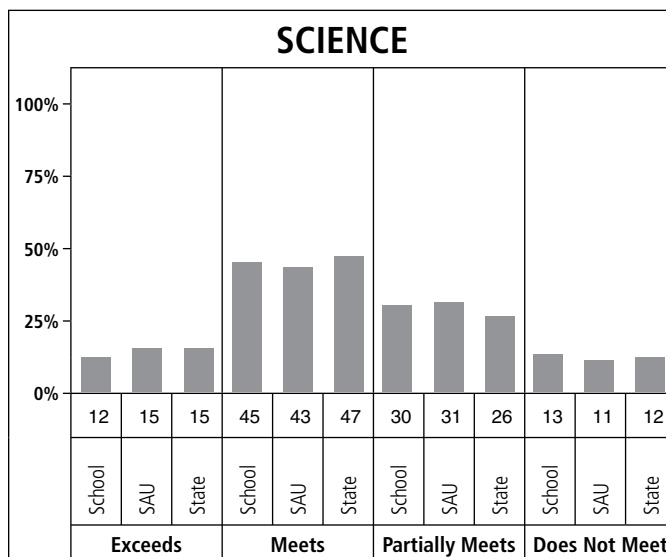
## ELA – READING



## MATHEMATICS



## SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\* Because science standards were reset in May 2009, no historical data are available

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 8  
SAU: RSU 01  
School: Bath Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%		%		%		%	
<b>Total number of students</b>	141	100	178	100	14804	100	140	99	177	99	14659	99	139	99	176	99	14653	99	139	99	176	99	14626	99
<b>Ethnicity</b> African American/Black	2	1	3	2	377	3	2	100	3	100	366	97	2	100	3	100	371	98	2	100	3	100	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	3	2	3	2	238	2	3	100	3	100	232	97	3	100	3	100	234	98	3	100	3	100	234	98
Hispanic	4	3	6	3	192	1	4	100	6	100	188	98	4	100	6	100	191	100	4	100	6	100	190	99
Caucasian/White	132	94	166	93	13878	94	131	99	165	99	13756	99	130	98	164	99	13742	99	130	98	164	99	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	19	13	28	16	2489	17	19	100	28	100	2434	99	19	100	28	100	2424	98	19	100	28	100	2418	98
<b>Current LEP</b>	1	1	1	1	349	2	1	100	1	100	331	95	1	100	1	100	342	98	1	100	1	100	338	97
<b>Economically disadvantaged</b>	53	38	64	36	5460	37	52	98	63	98	5380	99	52	98	63	98	5377	99	52	98	63	98	5359	98
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%	
<b>Participation without accommodations</b>	100	71	130	73	12132	82	99	70	129	72	12124	82	99	70	129	72	12169	82
Identified disability (PET/IEP)	1	1	2	2	379	3	1	1	2	2	380	3	1	1	2	2	425	3
LEP	1	1	1	1	166	1	1	1	1	1	169	1	1	1	1	1	168	1
504 plan	0	0	0	0	200	2	0	0	0	0	200	2	0	0	0	0	202	2
<b>Participation with accommodations</b>	40	28	46	26	2349	16	40	28	46	26	2347	16	40	28	46	26	2288	15
Identified disability (PET/IEP)	18	45	25	54	1877	80	18	45	25	54	1862	79	18	45	25	54	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	2	5	2	4	70	3	2	5	2	4	70	3	2	5	2	4	66	3
Other	20	50	19	41	292	12	20	50	19	41	297	13	20	50	19	41	280	12
<b>Participation through alternate assessment (PAAP)</b>	0	0	1	1	178	1	0	0	1	1	182	1	0	0	1	1	169	1
Identified disability (PET/IEP)	0	0	1	100	178	100	0	0	1	100	182	100	0	0	1	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
<b>Non-participation – other</b>	1	1	1	1	113	1	2	1	2	1	117	1	2	1	2	1	140	1

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 8  
SAU: RSU 01  
School: Bath Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	16	12			2407	16
	2007-2008	25	17			3428	23
	<b>2008-2009</b>	<b>21</b>	<b>15</b>	<b>29</b>	<b>16</b>	<b>2857</b>	<b>20</b>
	Cum. Total*	62	15			8692	19
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	68	50			7494	49
	2007-2008	77	51			7179	48
	<b>2008-2009</b>	<b>83</b>	<b>59</b>	<b>101</b>	<b>57</b>	<b>7431</b>	<b>51</b>
	Cum. Total*	228	53			22104	49
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	42	31			3628	24
	2007-2008	33	22			2706	18
	<b>2008-2009</b>	<b>27</b>	<b>19</b>	<b>34</b>	<b>19</b>	<b>2979</b>	<b>21</b>
	Cum. Total*	102	24			9313	21
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	11	8			1810	12
	2007-2008	15	10			1611	11
	<b>2008-2009</b>	<b>9</b>	<b>6</b>	<b>12</b>	<b>7</b>	<b>1214</b>	<b>8</b>
	Cum. Total*	35	8			4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	35.5	63.4	35.6	63.6	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	12.4	62.0	12.3	61.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	23.1	64.2	23.3	64.7	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.

# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: RSU 01  
 School: Bath Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	140	21	15	83	59	27	19	9	6	850	176	16	57	19	7	850	14481	20	51	21	8	850
<b>Ethnicity</b>																						
African American/Black	2										3						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	3										3						231	28	43	19	10	851
Hispanic	4										6	33	50	17	0	856	186	17	48	23	12	847
Caucasian/White	131	20	15	75	57	27	21	9	7	849	164	16	56	20	7	850	13586	20	52	20	8	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	19	0	0	4	21	8	42	7	37	833	27	0	22	44	33	834	2256	2	25	40	34	834
No	121	21	17	79	65	19	16	2	2	852	149	19	64	15	2	853	12225	23	56	17	4	853
<b>Current LEP</b>																						
Yes	1										1						324	5	34	36	26	838
No	139	21	15	82	59	27	19	9	6	850	175	17	57	19	7	850	14157	20	52	20	8	850
<b>Economically disadvantaged</b>																						
Yes	52	3	6	34	65	10	19	5	10	846	62	8	61	19	11	846	5277	10	46	29	15	844
No	88	18	20	49	56	17	19	4	5	852	114	21	55	19	4	852	9204	26	54	16	5	853
<b>Migrant</b>																						
Yes	0										0						5	0	40	60	0	841
No	140	21	15	83	59	27	19	9	6	850	176	16	57	19	7	850	14476	20	51	21	8	850
<b>Gender</b>																						
Female	77	14	18	48	62	10	13	5	6	852	91	20	63	11	7	852	7074	25	51	18	6	852
Male	63	7	11	35	56	17	27	4	6	847	85	13	52	28	7	847	7407	14	51	23	11	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	9	43	35	14	843
No	140	21	15	83	59	27	19	9	6	850	176	16	57	19	7	850	13624	20	52	20	8	850
<b>Gifted/talented program</b>																						
Yes	14	8	57	6	43	0	0	0	0	864	15	60	40	0	0	865	700	69	30	1	0	867
No	126	13	10	77	61	27	21	9	7	848	161	12	59	21	7	848	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: RSU 01  
School: Bath Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	4	0	0	1	17	3	50	2	33	832	5	13	13	38	38	837	8	8	39	29	24	841
B. less than one hour	48	12	18	40	60	12	18	3	4	851	48	19	58	19	4	851	51	17	53	22	8	849
C. one to two hours	42	7	12	38	64	10	17	4	7	850	42	14	61	18	8	850	36	24	52	18	5	852
D. more than two hours	5	2	29	4	57	1	14	0	0	856	5	22	67	11	0	854	5	29	45	18	9	852
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	27	9	24	24	65	4	11	0	0	856	28	31	61	8	0	858	31	35	50	11	4	856
B. good	47	11	17	43	66	9	14	2	3	851	47	14	63	18	5	850	47	16	55	21	7	849
C. fair	22	1	3	15	48	11	35	4	13	842	19	3	47	35	15	842	18	5	47	33	15	842
D. poor	4	0	0	1	17	2	33	3	50	834	5	11	33	22	33	840	3	2	39	37	22	839
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	29	6	15	28	68	7	17	0	0	852	33	25	54	21	0	854	32	27	54	14	5	853
B. They match some of what I have learned.	54	12	16	44	59	15	20	4	5	850	52	13	63	18	7	849	52	18	53	22	8	850
C. They match just a little of what I have learned.	15	3	14	10	48	4	19	4	19	845	13	14	50	18	18	845	12	11	45	29	15	844
D. There is no match.	1	0	0	1	50	0	0	1	50	844	3	0	40	20	40	837	4	6	34	33	26	838
<b>How difficult was the reading part of this test?</b>																						
A. more difficult than my regular schoolwork	14	2	10	11	55	6	30	1	5	848	16	7	54	29	11	845	15	13	42	28	17	844
B. about the same as my regular schoolwork	61	18	21	45	54	16	19	5	6	851	60	21	53	19	6	851	64	19	53	20	7	850
C. easier than my regular schoolwork	25	1	3	27	79	3	9	3	9	849	24	10	74	10	7	851	22	25	52	16	6	852
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	12	0	0	7	44	3	19	6	38	838	11	0	37	26	37	837	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	43	7	12	36	60	15	25	2	3	849	45	12	60	23	5	848	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	45	14	23	39	63	8	13	1	2	854	44	25	60	13	1	855	40	30	53	13	4	855
<b>How hard did you try on the reading part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	35	6	13	30	64	9	19	2	4	849	35	15	62	18	5	850	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	56	15	20	44	58	11	14	6	8	851	55	21	56	15	8	851	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	10	0	0	6	46	6	46	1	8	843	10	0	47	47	6	843	7	12	46	27	15	845
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	24	5	15	23	70	5	15	0	0	853	23	23	65	13	0	855	19	26	53	15	6	853
B. 20 minutes to an hour	37	8	15	34	65	6	12	4	8	852	39	17	59	13	10	851	40	25	52	17	6	852
C. less than 20 minutes	17	6	26	11	48	5	22	1	4	852	17	20	53	23	3	850	15	18	51	21	10	849
D. I rarely read at home.	22	2	6	15	48	10	32	4	13	842	21	6	50	33	11	842	26	7	50	30	13	844
<b>How do you feel about the following statement?</b>																						
<b>"My knowledge of reading will be useful to me as an adult."</b>																						
A. strongly agree	31	11	26	26	60	5	12	1	2	855	34	25	61	10	3	855	42	27	51	15	6	853
B. agree	55	8	11	48	63	15	20	5	7	848	52	12	59	21	8	848	50	15	53	23	9	848
C. disagree	11	2	13	8	53	3	20	2	13	847	10	11	50	28	11	846	7	8	46	32	14	843
D. strongly disagree	4	0	0	1	20	3	60	1	20	839	3	0	33	50	17	840	2	6	39	35	21	840
<b>Optional school/SAU question</b>																						
A.	25	0	0	1	100	0	0	0	0	842	20	0	100	0	0	842						
B.	75	0	0	1	33	2	67	0	0	843	60	0	33	67	0	843						
C.	0										20	100	0	0	0	868						
D.	0										0											

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 8  
SAU: RSU 01  
School: Bath Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	15	11			1952	13
	2007-2008	24	16			1657	11
	<b>2008-2009</b>	<b>14</b>	<b>10</b>	<b>16</b>	<b>9</b>	<b>2116</b>	<b>15</b>
	Cum. Total*	53	12			5725	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	46	33			5870	38
	2007-2008	51	34			5956	40
	<b>2008-2009</b>	<b>38</b>	<b>27</b>	<b>56</b>	<b>32</b>	<b>5443</b>	<b>38</b>
	Cum. Total*	135	32			17269	39
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	38	28			3982	26
	2007-2008	42	28			3729	25
	<b>2008-2009</b>	<b>42</b>	<b>30</b>	<b>49</b>	<b>28</b>	<b>3556</b>	<b>25</b>
	Cum. Total*	122	29			11267	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	39	28			3534	23
	2007-2008	33	22			3579	24
	<b>2008-2009</b>	<b>45</b>	<b>32</b>	<b>54</b>	<b>31</b>	<b>3356</b>	<b>23</b>
	Cum. Total*	117	27			10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	25.5	45.5	25.9	46.3	28.6	51.1
<b>A. Number</b>	<b>8</b>	<b>14</b>	2.6	32.5	2.9	36.3	3.7	46.3
<b>B. Data</b>	<b>16</b>	<b>29</b>	8.0	50.0	8.1	50.6	8.9	55.6
<b>C. Geometry</b>	<b>12</b>	<b>21</b>	4.5	37.5	4.7	39.2	5.0	41.7
<b>D. Algebra</b>	<b>20</b>	<b>36</b>	10.4	52.0	10.3	51.5	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: RSU 01  
 School: Bath Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	139	14	10	38	27	42	30	45	32	837	175	9	32	28	31	838	14471	15	38	25	23	843
<b>Ethnicity</b>																						
African American/Black	2										3						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	3										3						233	27	33	20	21	847
Hispanic	4										6	17	50	17	17	842	190	8	31	26	34	836
Caucasian/White	130	14	11	34	26	39	30	43	33	837	163	9	31	28	31	838	13567	15	38	25	22	843
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	19	0	0	1	5	3	16	15	79	820	27	0	4	15	81	819	2242	2	12	22	63	824
No	120	14	12	37	31	39	33	30	25	840	148	11	37	30	22	842	12229	17	42	25	16	846
<b>Current LEP</b>																						
Yes	1										1						336	6	18	26	51	829
No	138	14	10	37	27	42	30	45	33	837	174	9	32	28	31	838	14135	15	38	25	23	843
<b>Economically disadvantaged</b>																						
Yes	52	3	6	12	23	14	27	23	44	832	62	5	27	27	40	833	5270	6	30	28	36	835
No	87	11	13	26	30	28	32	22	25	841	113	12	35	28	26	841	9201	20	42	22	16	847
<b>Migrant</b>																						
Yes	0										0						5	0	0	40	60	828
No	139	14	10	38	27	42	30	45	32	837	175	9	32	28	31	838	14466	15	38	25	23	843
<b>Gender</b>																						
Female	76	7	9	24	32	25	33	20	26	839	90	8	38	31	23	840	7070	15	39	25	22	843
Male	63	7	11	14	22	17	27	25	40	835	85	11	26	25	39	836	7401	14	36	25	25	842
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	5	25	33	37	835
No	139	14	10	38	27	42	30	45	32	837	175	9	32	28	31	838	13614	15	38	24	22	843
<b>Gifted/talented program</b>																						
Yes	14	7	50	4	29	2	14	1	7	856	15	53	27	13	7	857	700	68	27	3	1	866
No	125	7	6	34	27	40	32	44	35	835	160	5	33	29	33	836	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: RSU 01  
School: Bath Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	4 48 42 5	0 7 6 1	0 10 10 14	0 19 17 2	0 28 29 29	1 23 16 2	17 34 27 29	5 18 20 2	83 27 34 29	816 838 838 840	5 48 42 5	13 11 7 11	0 30 38 33	13 33 24 22	75 26 31 33	820 839 839 839	8 51 36 5	8 12 19 19	24 38 40 36	24 26 23 22	44 23 19 23	833 842 845 844
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b> A. very good B. good C. fair D. poor	28 43 19 10	7 5 1 1	18 8 4 8	14 19 4 0	37 32 15 0	12 16 7 5	32 27 27 38	5 19 14 7	13 32 54 54	847 837 830 827	26 45 20 9	18 6 3 13	39 38 20 13	30 29 23 25	14 27 54 50	848 838 830 829	28 45 21 5	33 11 3 2	41 43 27 14	15 25 35 30	11 21 35 54	852 842 834 828
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b> A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	19 58 19 4	3 10 1 0	12 13 4 0	7 25 6 0	27 31 22 0	10 19 10 3	38 24 37 50	6 26 10 3	23 33 37 50	839 839 833 827	19 54 20 6	18 9 3 0	26 37 29 18	35 23 31 36	21 31 37 45	843 840 833 828	28 52 16 4	23 13 8 5	41 40 28 15	21 25 30 22	15 21 34 58	848 843 836 826
<b>How difficult was the mathematics part of this test?</b> A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	38 51 11	2 10 2	4 14 13	7 27 4	14 39 27	22 11 7	43 16 47	20 22 2	39 31 13	834 839 843	35 51 14	3 13 13	15 42 42	39 16 38	42 30 8	832 840 846	32 52 16	6 13 39	34 41 35	29 25 13	32 20 13	837 843 853
<b>How hard did you try on the mathematics part of this test?</b> A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	47 44 10	7 7 0	11 12 0	19 15 3	30 25 23	14 21 5	22 36 38	23 16 5	37 27 38	837 839 832	47 43 10	10 11 0	36 30 24	21 32 41	33 27 35	838 839 834	42 52 7	12 17 12	38 39 27	26 23 27	25 20 35	841 845 837
<b>How often do you use calculators in mathematics class?</b> A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	31 52 12 5	4 6 3 1	9 8 18 14	10 24 3 1	23 33 18 14	15 21 4 2	35 29 24 29	14 21 7 3	33 29 41 43	837 838 836 834	31 50 15 5	7 9 12 13	28 34 35 25	33 25 23 38	31 31 31 25	837 838 839 837	34 35 18 13	18 14 12 9	40 38 37 32	22 26 27 25	20 21 24 34	845 843 841 837
<b>How often do you use laptops in mathematics class?</b> A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	6 25 47 22	1 0 11 2	13 0 17 7	0 8 23 7	0 23 35 23	3 16 15 8	38 46 23 27	4 11 17 13	50 31 26 43	831 832 842 835	4 25 51 20	14 5 12 6	0 23 39 31	29 43 20 26	57 30 27 37	830 835 841 836	9 17 28 46	13 11 15 16	38 37 40 36	23 26 25 24	26 26 20 23	841 841 844 843
<b>How do you feel about the following statement?</b> <b>“My knowledge of mathematics will be useful to me as an adult.”</b> A. strongly agree B. agree C. disagree D. strongly disagree	51 38 6 4	9 5 0 0	13 9 0 0	26 12 0 0	37 23 0 0	21 14 3 4	30 26 33 67	15 22 6 2	21 42 67 33	842 834 827 828	50 38 6 6	13 8 0 0	38 32 9 10	30 23 27 50	20 38 64 40	843 835 825 829	52 39 6 3	19 11 7 4	41 35 28 25	22 27 26 28	18 27 39 43	846 840 835 832
<b>Optional school/SAU question</b> A. B. C. D.	25 75 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 1 0 0	0 33 0 0	1 2 0 0	100 67 0 0	814 820 0 0	20 60 20 0	0 0 0 100	0 0 0 0	0 33 0 0	100 67 0 0	814 820 850 0						

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 8  
SAU: RSU 01  
School: Bath Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	16	12	27	15	2155	15
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	63	45	75	43	6687	47
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	42	30	54	31	3672	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	18	13	19	11	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	56	100	30.9	55.2	31.8	56.8	32.0	57.1
<b>D. The Physical Setting</b>	31	55	16.4	52.9	16.8	54.2	17.1	55.2
<b>D1/D2 Earth/Space</b>	17	30	8.9	52.4	9.1	53.5	9.4	55.3
<b>D3/D4 Matter and Energy/Force and Motion</b>	14	25	7.5	53.6	7.7	55.0	7.7	55.0
<b>E. The Living Environment</b>	25	45	14.5	58.0	15.0	60.0	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
Grade: 8  
SAU: RSU 01  
School: Bath Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	139	16	12	63	45	42	30	18	13	844	175	15	43	31	11	846	14263	15	47	26	12	846
<b>Ethnicity</b>																						
African American/Black	2										3						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	3										3						230	20	44	23	13	848
Hispanic	4										6	33	33	17	17	851	184	9	45	29	16	842
Caucasian/White	130	15	12	58	45	40	31	17	13	844	163	15	42	32	10	845	13375	15	47	25	12	846
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	19	0	0	4	21	7	37	8	42	831	27	0	15	48	37	830	2221	3	22	36	38	832
No	120	16	13	59	49	35	29	10	8	846	148	18	48	28	6	848	12042	17	51	24	7	848
<b>Current LEP</b>																						
Yes	1										1						331	4	20	39	37	832
No	138	16	12	63	46	41	30	18	13	844	174	16	43	30	11	846	13932	15	48	25	12	846
<b>Economically disadvantaged</b>																						
Yes	52	5	10	19	37	20	38	8	15	841	62	11	35	39	15	841	5184	6	40	33	21	840
No	87	11	13	44	51	22	25	10	11	846	113	18	47	27	9	848	9079	20	51	21	8	849
<b>Migrant</b>																						
Yes	0										0						5	0	0	80	20	829
No	139	16	12	63	45	42	30	18	13	844	175	15	43	31	11	846	14258	15	47	26	12	846
<b>Gender</b>																						
Female	76	5	7	35	46	27	36	9	12	843	90	10	47	34	9	845	6953	14	47	28	11	846
Male	63	11	17	28	44	15	24	9	14	845	85	21	39	27	13	846	7310	16	46	24	13	846
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						828	5	35	40	20	839
No	139	16	12	63	45	42	30	18	13	844	175	15	43	31	11	846	13435	16	48	25	12	846
<b>Gifted/talented program</b>																						
Yes	14	5	36	8	57	1	7	0	0	858	15	40	53	7	0	860	699	65	34	2	0	865
No	125	11	9	55	44	41	33	18	14	843	160	13	42	33	12	844	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: RSU 01  
School: Bath Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	4	0	0	1	17	3	50	2	33	829	5	13	13	38	38	833	8	8	34	28	30	837
B. less than one hour	48	10	15	27	40	22	33	8	12	845	48	18	40	32	10	847	51	14	48	27	11	846
C. one to two hours	42	5	8	32	54	15	25	7	12	845	42	14	49	28	9	846	36	19	48	24	9	848
D. more than two hours	5	1	14	3	43	2	29	1	14	844	5	11	44	33	11	846	5	17	49	20	14	847
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	22	3	10	14	45	9	29	5	16	842	22	18	41	28	13	846	23	27	47	17	8	851
B. good	59	13	16	39	48	23	28	7	9	847	55	19	46	29	6	848	53	15	50	26	10	847
C. fair	16	0	0	9	41	8	36	5	23	837	17	3	37	37	23	838	20	4	43	35	18	840
D. poor	3	0	0	1	25	2	50	1	25	839	5	11	33	44	11	845	4	4	27	34	35	834
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	32	7	16	22	49	11	24	5	11	846	35	27	44	21	8	850	26	20	49	23	9	849
B. They match some of what I have learned.	55	8	10	33	43	25	32	11	14	843	52	10	42	35	13	843	51	14	48	26	11	846
C. They match just a little of what I have learned.	9	1	8	8	67	2	17	1	8	845	9	7	60	27	7	843	18	13	44	28	15	844
D. There is no match.	4	0	0	0	0	4	80	1	20	835	4	0	14	71	14	839	4	5	33	30	32	836
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	29	2	5	19	48	16	40	3	8	843	28	6	40	46	8	842	32	13	45	28	14	844
B. about the same as my regular schoolwork	59	13	16	34	43	21	26	12	15	845	59	21	42	25	12	847	56	15	49	25	11	847
C. easier than my regular schoolwork	12	1	6	10	63	4	25	1	6	845	13	14	59	23	5	848	11	21	43	22	13	847
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	41	5	9	28	51	13	24	9	16	844	39	16	43	25	15	845	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	54	11	15	31	42	25	34	6	8	845	55	17	44	33	6	847	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	4	57	2	29	1	14	843	5	0	56	33	11	843	6	8	36	29	26	839
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	20	2	7	11	41	8	30	6	22	840	21	14	34	34	17	842	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	27	4	11	18	50	11	31	3	8	845	28	17	47	28	9	847	23	17	49	22	12	847
C. the course(s) described in B, plus physics	23	8	26	14	45	5	16	4	13	849	24	28	45	15	13	850	21	31	44	17	7	852
D. a life science and physical science class	30	1	3	16	40	18	45	5	13	841	28	2	42	48	8	842	30	7	46	32	14	842
<b>How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."</b>																						
A. strongly agree	25	7	20	19	54	8	23	1	3	850	23	24	49	24	2	851	27	23	47	20	10	849
B. agree	35	5	10	20	42	13	27	10	21	842	35	15	39	28	18	844	37	14	47	27	12	846
C. disagree	27	4	11	15	41	12	32	6	16	843	27	15	42	31	13	846	25	11	48	29	12	845
D. strongly disagree	14	0	0	9	47	9	47	1	5	842	14	4	44	48	4	843	11	9	44	31	17	842
<b>How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."</b>																						
A. strongly agree	35	8	16	25	51	12	24	4	8	847	34	22	45	27	7	849	31	22	46	22	10	849
B. agree	49	8	12	28	41	23	34	9	13	844	49	13	43	33	12	845	50	14	49	26	11	846
C. disagree	11	0	0	7	47	5	33	3	20	838	11	15	35	35	15	843	14	9	45	31	15	843
D. strongly disagree	5	0	0	3	43	2	29	2	29	840	5	0	44	33	22	840	5	3	38	34	25	837
<b>Optional school/SAU question</b>																						
A.	25	0	0	0	0	0	0	1	100	820	20	0	0	0	100	820						
B.	75	0	0	1	33	1	33	1	33	837	60	0	33	33	33	837						
C.	0										20	0	100	0	0	858						
D.	0										0											

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number